

National Aeronautics and
Space Administration



NASA Wildland Fires





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USING EARTH
OBSERVATIONS TO SOLVE
OUR PLANET'S MOST
PRESSING ISSUES.

ABOUT APPLIED SCIENCES

OUR PROGRAM AREAS



AGRICULTURE



CAPACITY BUILDING



CLIMATE & RESILIENCE



DISASTERS



ECOLOGICAL FORECASTING



HEALTH & AIR QUALITY



WATER RESOURCES



WILDLAND FIRES



EARTH FLEET

INVEST/CUBESATS

- CSIM-FD 2023
- HARP 2022
- CIRIS 2023
- CTIM* 2022
- HYTI* 2022
- SNOOPI* 2022
- NACHOS* 2022
- NACHOS2* 2022

JPSS INSTRUMENTS

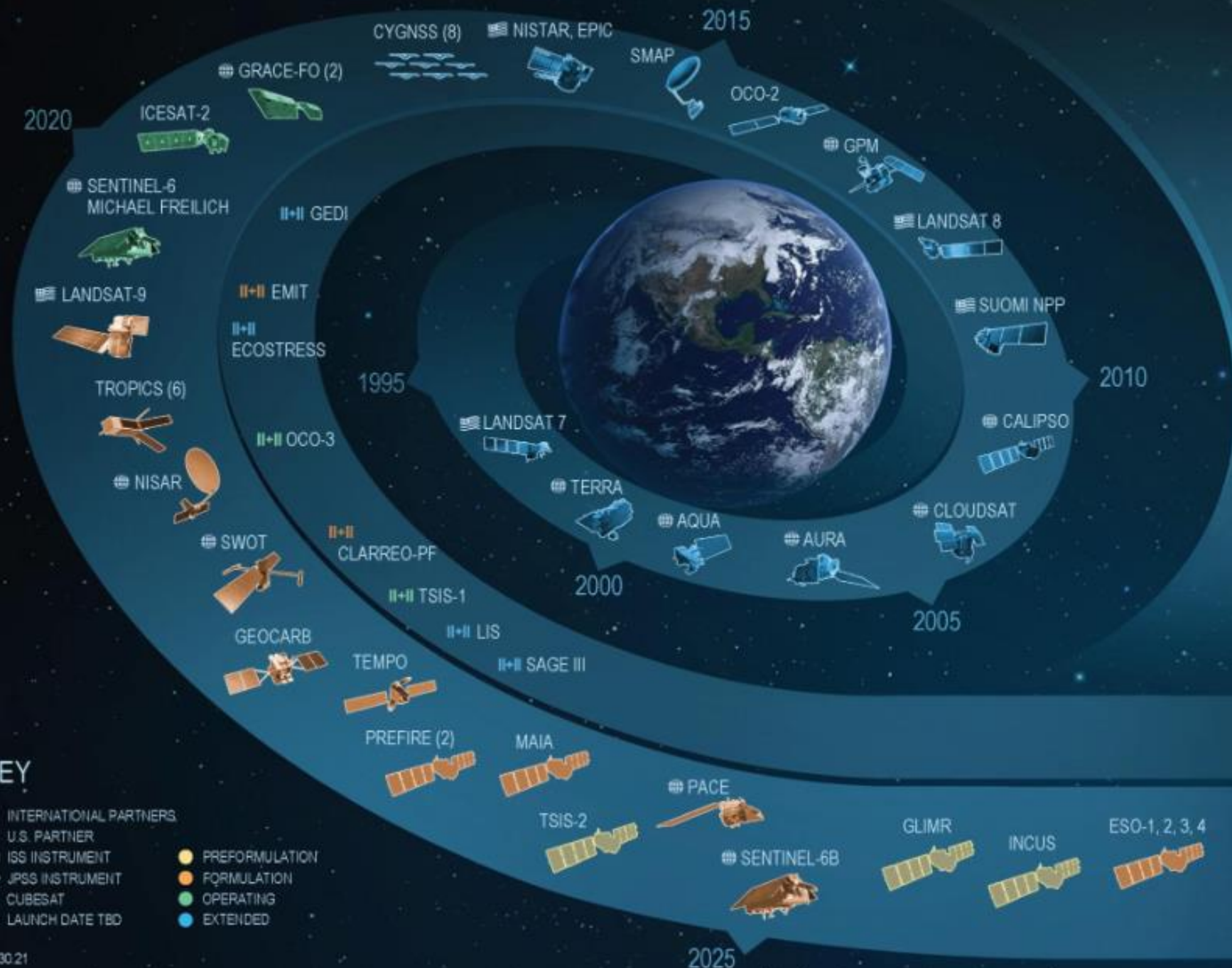
- OMPS-LIMB 2022
- LIBERA 2027

ISS INSTRUMENTS

MISSIONS

KEY

- INTERNATIONAL PARTNERS
- U.S. PARTNER
- ISS INSTRUMENT
- JPSS INSTRUMENT
- CUBESAT
- LAUNCH DATE TBD
- PREFORMULATION
- FORMULATION
- OPERATING
- EXTENDED





AFSI

Actionable Fire Science
Information Hub

*A place for stakeholders to share insights and information
to adapt to, manage, and live with fires.*

Initiatives

Building A Community



Pre-Fire

Active Fire

Post-Fire

Solving the “Impossible”

➤ Science for Action

- Learning to Manage and Thrive with Fires
- Collective Outcomes Thriving with Fire

■ Adaptative Fire Management via NASA S&T

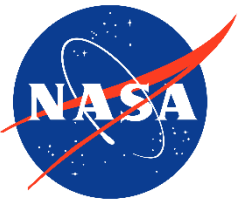
- *Sharing and co-developing scalable techniques and integrated system solutions to improve adaptation in fire-prone areas and functional resilience*
- Priorities and Opportunities
 - Projects, Tools and Decision Support
 - Communities-of-Practice
 - S&T Wildland Fire Showcase

Scan QR code to
visit the AFSI Hub

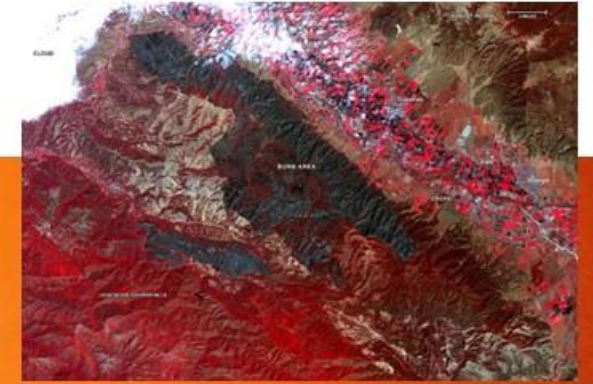


NASA Wildland FireSense

Science Applied *Enabling new perspective on the Wildland-Urban Interface:*



Merging Satellite and Socio-Economic Data to quantify defensible space, invasive species and vulnerability in the WUI



It is estimated that the wildland-urban interface is the fastest growing land-use type in the conterminous United States





Innovation, Co-production, and Collaboration Ready Science & Technology Decision-Support Tools, Responsive to Stakeholders and Reducing Risks for More Proactive, Effective and Valued Management



Implementation Applications



Innovation Technology



Exploration and Discovery

Ecosystem



Atmosphere

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